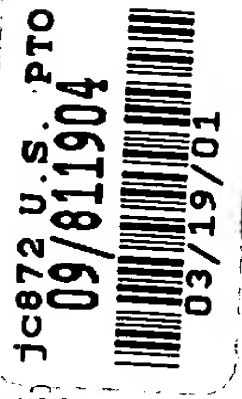


FORM PTO-1449
U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE



ATTY DOCKET NO. 11460-109
Sheet 1 of 1

Applicants: Richard P. Torti, et al.
Serial Number: N/A
Filed: Herewith

Examiner: N/A
Group Art Unit: N/A

For: CLUSTER SIZE MEASUREMENT INSTRUMENT AND METHOD FOR CLUSTER
ION BEAM DIAGNOSTIC

U.S. PATENT DOCUMENTS

EXAMINER				FILING		
INI- ITEM DOCUMENT				DATE IF		
TIAL NO.	NUMBER	DATE	NAME	CLASS	SUB CLASS	APPROP.
we 1.	5,814,194	09/29/98	Deguchi et al.	204	192.1	
ve 2.	5,459,326	10/17/95	Yamada	250	398	
ve 3.	4,737,637	04/12/98	Knauer	250	281	
ve 4.	5,185,287	02/09/93	Aoyagi et al.	437	105	

FOREIGN PATENT DOCUMENTS

EXAMINER				SUB		TRANSLATION	
INI- ITEM DOCUMENT							
TIAL NO.	NUMBER	DATE	NAME	CLASS	CLASS	YES	NO
we	03245523 JP	11/01/91	Aoyanagi Toshitaka				+
we	62112777 JP	05/23/87	Aoki Masahiko			+	

OTHER DOCUMENTS

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1. W. Henkes, et al., "Development of gas cluster ion accelerators", Rev. Sci. instrum., 48(6), (1997) p.675
2. N. Kofuji, et al., "Development of gas cluster source and its characteristics", Proc. 14th Symp. On Ion Sources and Ion-Assisted Technology, Tokyo (1991) p.15
3. Yamada & Matsuo, "Cluster ion beam processing", Matl. Science in Semiconductor Processing I, (1998) pp.27-41
4. N. Toyoda, "Nano-Processing with Gas Cluster Ion Beams", sections 3.1 and 3.2, doctoral thesis, Kyoto Univ., Kyoto, JP, 1999

EXAMINER

DATE CONSIDERED

ZIA R-HASHI

7/9/03



**FORM PTO-1449
U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE**

ATTORNEY DOCKET NO.: 11460-109

APPLICATION SERIAL NO.: 09/811,904

GROUP ART UNIT: 2881

APPLICANT: Richard P. Torti, et al.

EXAMINER: N/A

FILING DATE: March 19, 2001

CONFIRMATION NO.: 7642

U.S. PATENT DOCKETS

EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS/SUB- CLASS	FILING DATE IF APPROPRIATE
WE	5,382,793	01/17/95	Weinberger, et al.	250/288	03/06/92
WE	5,659,170	08/19/97	Da Silveira, et al.	250/287	12/16/94

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS/SUB- CLASS	TRANSLATION YES NO

OTHER DOCUMENTS
(Including Author, Title, Date, Pertinent Pages, etc.)

* If any such item is considered sufficiently relevant by the Examiner to the present invention, its possible "prior art" status against the present invention should be considered individually allowing for the prospect of Applicants' swearing back or other priority determination.

EXAMINER	DATE CONSIDERED
ZIA R. HASANI	7/9/03